






BETA-DITHIOPHOSPHORYLATED PROPIONIC ACID IN LUBRICANT**Publication number:** JP10067993**Publication date:** 1998-03-10**Inventor:** CAMENZIND HUGO; RIBEAUD MARC;
FLETSCHINGER MICHAEL; ROHRBACH PETER**Applicant:** CIBA GEIGY AG**Classification:****- International:** C10L1/10; C10L1/26; C10L10/08; C10M137/10;
C10M169/00; C10L1/12; C10L1/16; C10L1/18;
C10L1/20; C10L1/22; C10L1/24; C10L1/28; C10N30/06;
C10N40/08; C10N40/20; C10N50/10; C10L1/10;
C10L10/08; C10M137/00; C10M169/00; (IPC1-7):
C10L1/26; C10M137/10; C10M169/00; C10M101/02;
C10M101/04; C10M105/02; C10M137/10; C10M169/00;
C10N30/06; C10N40/08; C10N40/20; C10N50/10**- European:** C10L1/10; C10L1/26B2; C10M137/10**Application number:** JP19970205295 19970715**Priority number(s):** CH19960001769 19960715**Also published as:** EP0819754 (A1)
 US5922657 (A1)
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PROBLEM TO BE SOLVED: To obtain a composition, excellent in extreme-pressure properties, abrasion and corrosion resistances and useful as an additive, etc., for a pressure medium liquid, a metallic working fluid, etc., by compounding a lubricant, etc., with a specific dithiophosphorylated propionic acid and an oil additive. **SOLUTION:** This composition comprises (A) a lubricant such as an industrial oil or a grease, a fuel such as a base oil, a metallic working fluid or a pressure medium liquid, (B) preferably 0.005-0.05wt.% compound represented by the formula [R1 and R2 are each a 3-18C alkyl, a 5-12C cycloalkyl, a 5-6C cycloalkylmethyl, a 9-10C bicycloalkylmethyl, a 9-10C tricycloalkylmethyl, phenyl, a 7-24C alkylphenyl or both together represent (CH₃)₂C(CH₂)₂; R3 is H or methyl] and, as desired, (C) other usually used oil additives such as an antioxidant, a metallic deactivator or a rust preventing agent.

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